

POWERED BY Dialog

**Pure 1-aminomethyl-cycloalkane-acetic acids - with low lactam content, useful as cerebral medicaments**

**Patent Assignee:** GOEDECKE AG

**Inventors:** AUGART H; GEBHARDT U; HERMANN W; HERRMANN W

### Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
EP 414263	A	19910227	EP 90116265	A	19900824	199109	B
DE 3928183	A	19910228	DE 3928183	A	19890825	199110	
PT 95082	A	19910418				199118	
JP 3090053	A	19910416	JP 90221422	A	19900824	199121	
EP 414263	B1	19941026	EP 90116265	A	19900824	199441	
DE 59007550	G	19941201	DE 507550	A	19900824	199502	
			EP 90116265	A	19900824		
ES 2063219	T3	19950101	EP 90116265	A	19900824	199508	
IE 65291	B	19951018	IE 903089	A	19900824	199603	
US 6054482	A	20000425	US 90570500	A	19900821	200027	
			US 92865723	A	19920408		
			US 9320270	A	19930218		
			US 95377618	A	19950125		
JP 2001058976	A	20010306	JP 90221422	A	19900824	200118	
			JP 2000270023	A	19900824		
JP 3148223	B2	20010319	JP 90221422	A	19900824	200125	
JP 3261123	B2	20020225	JP 90221422	A	19900824	200216	
			JP 2000270023	A	19900824		
BR 200002663	A	20020219	BR 20002663	A	20000710	200222	N

**Priority Applications (Number Kind Date):** DE 3928183 A ( 19890825); BR 20002663 A ( 20000710)

**Cited Patents:** A3...9123; DE 2460891; DE 2543821; DE 2557220; NoSR.Pub; 01 journal ref.

### Patent Details

Patent	Kind	Language	Page	Main IPC	Filing Notes
EP 414263	A		8		
Designated States (Regional): AT BE CH DE ES FR GB GR IT LI LU NL SE					
EP 414263	B1	G	9	C07C-229/28	

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LI LU NL SE					
DE 59007550	G			C07C-229/28	Based on patent EP 414263
ES 2063219	T3			C07C-229/28	Based on patent EP 414263
IE 65291	B			C07C-229/28	
US 6054482	A			A01N-037/12	Cont of application US 90570500
					Cont of application US 92865723
					Cont of application US 9320270
JP 2001058976	A		6	C07C-227/22	Div ex application JP 90221422
JP 3148223	B2		6	A61K-031/195	Previous Publ. patent JP 3090053
JP 3261123	B2		6	C07C-227/22	Div ex application JP 90221422
					Previous Publ. patent JP 2001058976
BR 200002663	A			C07C-227/20	

**Abstract:**

EP 414263 A

Cyclic amino acids of formula (I) contg less than 0.5 wt% of the corresp lactam of formula (II) are claimed. n = 4-6.

USE/ADVANTAGE - (I) are useful for treating certain cerebral disorders, eg certain forms of epilepsy, vertigo, hypokinesia and cranial trauma, and for improving cerebral function, esp in geriatric medicine. Preventing formation of (II) during prodn and storage of (I) minimises the toxic effects of (II).

Pure (I) are prepd by hydrolysing crude (I) or (II) with a semi-concd mineral acid, followed by ion exchange to remove the acid anion. The acid is esp HCl. Formation of (II) during storage of pharmaceutical compsns contg (I) is minimised by using excipients selected from hydroxypropyl methylcellulose, polyvinylpyrrolidone, 'Crospovidone', 'Poloxamer 407', 'Poloxamer 188', starch glycolate Na, lactose, 'Copolyvidone', corn starch, cyclodextrin, talc, and copolymers of dimethylaminomethacrylic acid and/or neutral methacrylate esters. (8pp Dwg.No.0/0)

EP 414263 B

Process for stabilising a pharmaceutical preparation, in solid form, of cyclic amino acids of the general formula (I) in which n represents the numbers 4 to 6, characterised in that an underived amino acid VII, which has at the most 0.3% by weight lactam of the general formula (II) in which n represents the numbers 4 to 6, and a portion of mineral acid of no more than 20 ppm, converts to a solid pharmaceutical preparation with an addition of hydroxypropyl methylcellulose, polyvinylpyrrolidone, crospovidone, poloxamer 407, poloxamer 188, sodium starch glycolate, lactose, copolyvidone, maize starch, cyclodextrin, talcum, copolymers of dimethylamino-methacrylic acid, and/or neutral methacrylic acid esters.

Dwg.0/0

Derwent World Patents Index

© 2002 Derwent Information Ltd. All rights reserved.

Dialog® File Number 351 Accession Number 8555465